

Micah Gravitt

From: Micah Gravitt
Sent: Thursday, February 11, 2016 1:27 PM
To: 'wayon.hines@ewheng.com'
Subject: Allan Young 5-8
Attachments: 2162_001.pdf

Wayon,

See the attachment. I need the outlet structure of the basin to look like one of the two. Also, please specify which type of silt fence. Call if questions. Thanks.



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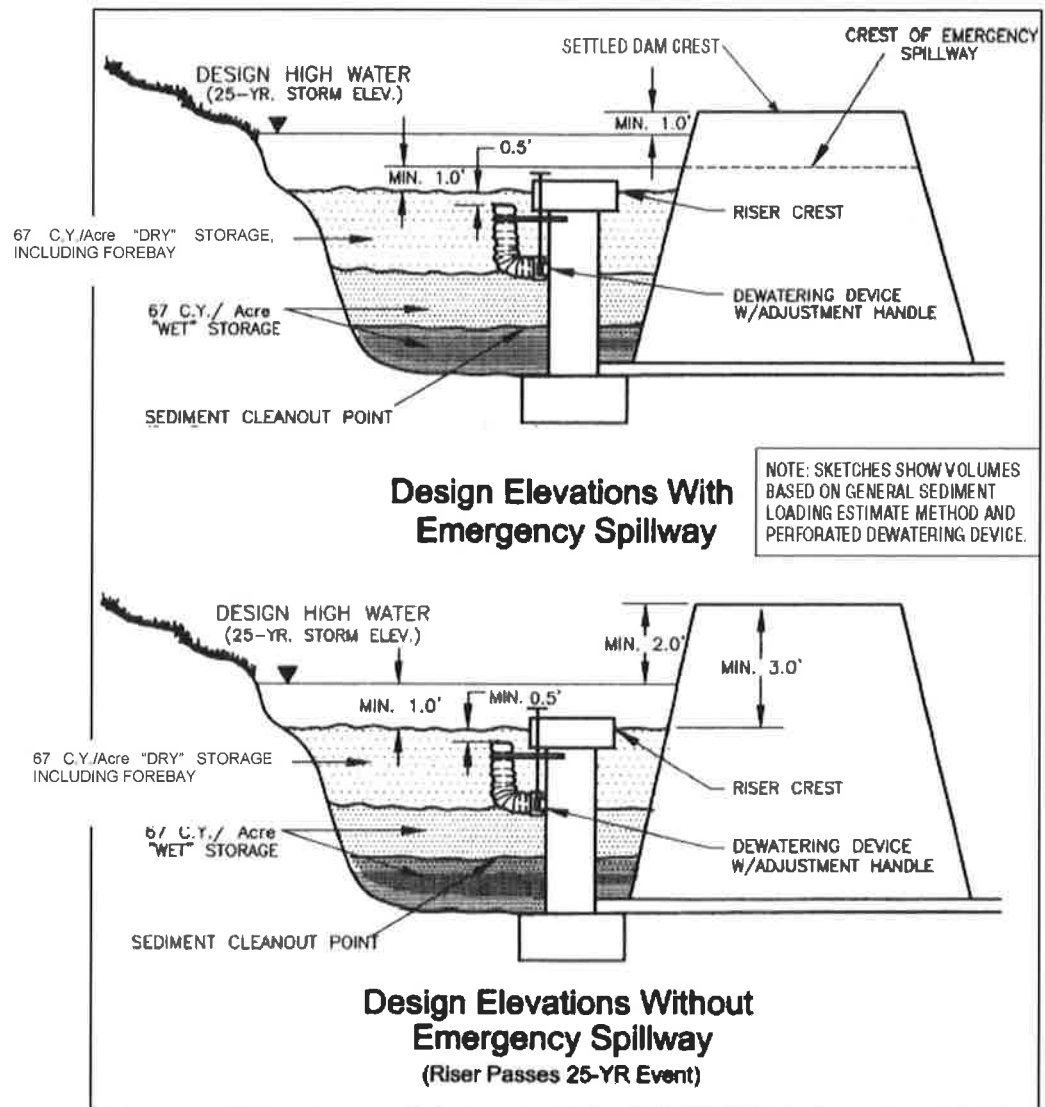


Figure 7.31-12 Schematic Drawing of Typical Sediment Basin (Source: VA DSWC)

Multiple Uses:

Sediment basins may remain in place after final site stabilization is completed to serve as permanent stormwater management structures. They also may be used *during* construction for stormwater management. Because the most practical location for a sediment basin is often the most practical location for a stormwater management basin, it is often desirable to utilize these structures for permanent stormwater management purposes. It should be noted, however, that in most cases, a typical structure's outlet control system would vary from construction to post construction periods. Care must be taken to avoid constructing an outlet control system, which will achieve the desired permanent stormwater management treatment but will not provide the necessary facility for the containment and settling of sediment-laden construction runoff. For example, a permanent stormwater detention structure may have a bottom control orifice in the riser, while a temporary sediment pond does not. Notably, the design for such

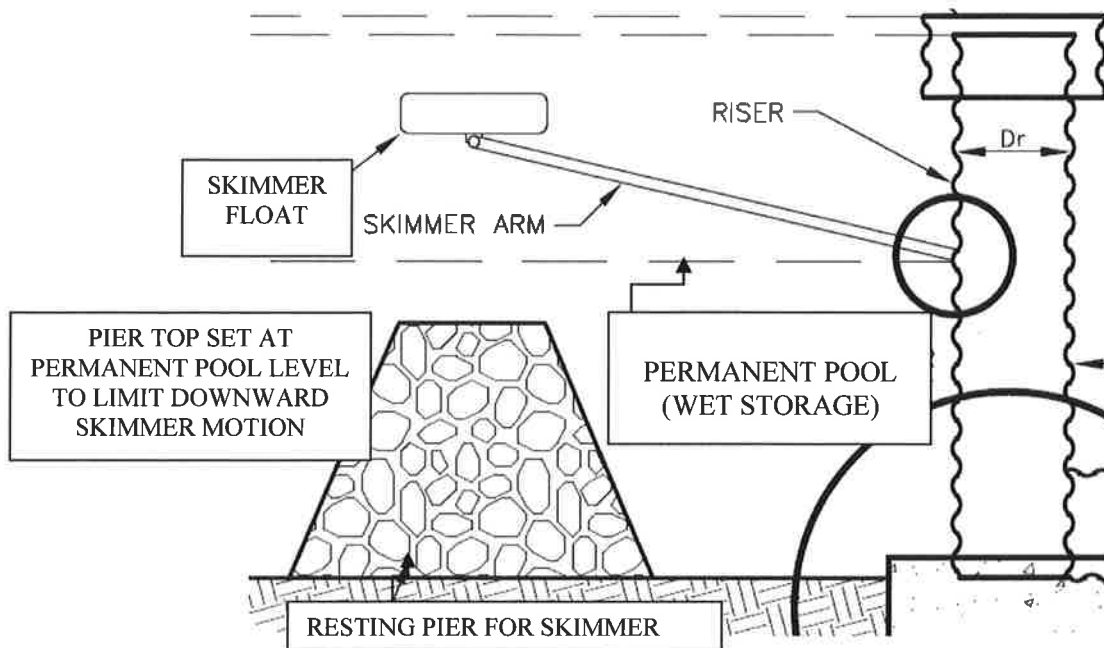


Figure 7.31-10A Skimmer Pier and Permanent Pool



Figure 7.31-10B Floating Skimmer Installation

STEP 4: SET THE EMERGENCY SPILLWAY AND TOP OF EMBANKMENT ELEVATIONS.

Emergency Spillway: The emergency spillway acts as a safety release for a sediment basin, or any impoundment structure, by conveying the larger, less frequent storms (minimum 25-year, 24-hour storm) through the basin without overtopping or damaging the embankment. The emergency spillway also acts as its name implies - an emergency outlet - in case emergency circumstances arise from excessive sedimentation or damage to the riser, which prevents flow through the